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# GSBES2022

Global Summit on Biomedical Engineering and Systems

**June 16, 2022**

**Virtual**

**FINAL PROGRAM**



**The Scientistt**

Bangalore, India

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## Day-1 | THURSDAY JUNE 16, 2022

### Virtual Presentations | Time zone: London, UK(GMT+1)

09:00-09:30	<b>Title:</b> Spatial and Temporal Control of CRISPR-Cas9-Mediated Gene Editing Delivered via a Light-Triggered Liposome System <b>Wei Deng</b> , University of New South Wales, Australia	<b>K</b>
09:30-09:55	<b>Title:</b> Eyes-Tracker Device and using Gaze-Capture by Eye Movements on Developing Virtual Education <b>Shahnaz Mansouri</b> , Monash University, Australia	<b>I</b>
09:55-10:25	<b>Title:</b> Towards Digital Transformation through Bioinformatics <b>Kenta Nakai</b> , The University of Tokyo, Japan	<b>K</b>
10:25-10:55	<b>Title:</b> Development of Single-Molecule Electrical Identification Toward Epitranscriptomic Sequencing <b>Takahito Ohshiro</b> , Osaka University, Japan	<b>K</b>
10:55-11:20	<b>Title:</b> A Mathematical Model of Tumor-Immune Interactions with an Immune Checkpoint Inhibitor <b>Jui Ling Yu</b> , Providence University, Taiwan	<b>I</b>
11:20-11:45	<b>Title:</b> Development of Efficient Polymer Microsphere-Supported Chiral Organo-Catalyst for Asymmetric Synthesis <b>Md. Wali Ullah</b> , Cumilla University, Bangladesh	<b>I</b>
11:45-12:15	<b>Title:</b> Application of the Complex Moments for the Selection of an Optimal Sensor <b>Raoul Nigmatullin</b> , Kazan National Research Technical University, Russia	<b>K</b>
12:15-12:55	<b>Title:</b> Circular Economy: New Opportunities in Sustainable Nano Materials and Polymer Bio-Nanocomposites <b>Sabu Thomas</b> , Mahatma Gandhi University, India	<b>P</b>
12:55-13:25	<b>Title:</b> Muscle Contraction under Physiological Load: Novel Interpretation and Molecular Mechanism of Isometric Rapid Tension Recovery Experiments <b>Sunil Nath</b> , Indian Institute of Technology Delhi, India	<b>K</b>
13:25-13:50	<b>Title:</b> Influence of the presence of an Intravaginal Probe on the Pelvic Floor Muscular Activity in Women with Vulvodynia <b>Mónica Albaladejo</b> , Universitat Politècnica de València, Spain	<b>I</b>
13:50-14:20	<b>Title:</b> Structural Characterization of Nanoparticles for Smart Drug Delivery: Tuning Nanostructure and Tissue Interaction <b>Elena Del Favero</b> , University of Milan, Italy	<b>K</b>
14:20-14:45	<b>Title:</b> Thermal Infrared Imaging in Human-Machine Interaction: Modern Approaches and Future Perspectives <b>Daniela Cardone</b> , University "G. d'Annunzio" - Chieti Pescara, Italy	<b>I</b>
14:45-15:10	<b>Title:</b> Role of Alpha Lipoic Acid in Infertility <b>Chiara Di Tucci</b> , Sapienza Roma, Italy	<b>I</b>

<b>15:10-15:35</b>	<b>Title:</b> A Blood DNA Methylation Biomarker Predicts Short Term Risk of Cardiovascular Events <b>Giovanni Fiorito</b> , University of Sassari, Italy	I
<b>15:35-16:00</b>	<b>Title:</b> Profiling Retinal Epithelial Cell Editomes Reveals Molecular Mechanisms Modulated by RNA Editing after A2E Induced Oxidative Stress Mediated by Blue Light <b>Luigi Donato</b> , University in Messina, Italy	I
<b>16:00-16:25</b>	<b>Title:</b> SWIM: A Network-Based Approach for Human Diseases <b>Paola Paci</b> , Sapienza University of Rome, Italy	I
<b>16:25-16:50</b>	<b>Title:</b> The Revolution of POC Devices for Health Care <b>Rossana Madrid</b> , National University of Tucuman, Argentina	I
<b>16:50-17:15</b>	<b>Title:</b> Evolving Wearable Technology in Sleep Medicine <b>Manisha Witmans</b> , Manisha Witmans Professional Corporation, Canada	I
<b>17:15-17:45</b>	<b>Title:</b> Delivery of Cold Atmospheric Plasma for Cancer Immunotherapy <b>Guojun Chen</b> , McGill University, Canada	K
<b>17:45-18:25</b>	<b>Title:</b> 20 Years of Commercializing Self-Assembled Nanomaterials: Fighting COVID-19, Inhibiting Infection, Killing Cancer, and Regenerating Tissues <b>Thomas Webster</b> , Interstellar Therapeutics, USA	P
<b>18:25-18:55</b>	<b>Title:</b> New Forms of Electrospun Nanofibers for Biomedical Applications <b>Jingwei Xie</b> , University of Nebraska Medical Center, USA	K
<b>18:55-19:20</b>	<b>Title:</b> Evaluating the Impact of Coronavirus-19 Pandemic on the Chemical and Toxicological characteristics of Ambient Fine Particulate Matter (PM2.5) in the Metropolitan area of Milan, Italy <b>Constantinos Sioutas</b> , University of Southern California, USA	I
<b>19:20-19:45</b>	<b>Title:</b> A Novel Synthesis of an Ultrasound-Responsive Gene Delivery Nanoplatfrom for Bone Disorders <b>Angela Shar</b> , University of Central Florida College of Medicine, USA	I
<b>19:45-20:10</b>	<b>Title:</b> Understanding Medical Devices and Aps Used by Our Patients <b>Bright Thilagar</b> , Mayo Clinic, USA	I
<b>End of the Program</b>		





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2<sup>nd</sup> Global Summit on Biomedical Engineering and Systems

**May 25-27, 2023 | Brussels, Belgium**

<https://www.thescientistt.com/2023/biomedical-engineering>